METHODS, COMMUNICATION APPARATUS, AND COMPUTER PROGRAM PRODUCTS FOR DETECTING AN INFORMATION FIELD IN A SIGNAL BY AVERAGING SYMBOL VALUES ACROSS MULTIPLE TIME SLOT INTERVALS

ABSTRACT OF THE DISCLOSURE

Methods, communication apparatus, and computer program products process a signal by detecting an information field therein. A signal may be received across a plurality of time slot intervals with each time slot interval including a plurality of symbol positions so as to provide a sequence of symbols associated with the received signal. An average value of the symbols received in a symbol position across the plurality of time slot intervals is determined. A determination may be made whether a symbol position contains a fixed symbol based on the average symbol value determined for that symbol position. Alternatively, a determination may be made whether the received signal contains symbols corresponding to a predefined symbol sequence based on the average values respectively determined for the plurality of symbol positions.